

<p>11665X/07 CENT TECHN TEINTUR 24.04.74-FR-014352 (26.12.75) B05c-03/04 D06f-21/04 D06f-01/04 Dry cleaning synthetic textiles, esp polyester - using surfactant org soln contg emulsified aqs detergent compsn</p>	<p>A35 D24 F06 P42 TETE- 24.04.74 *FR 2268-898 A11-C5, A12-S5M. 2 149 (solvent + surfactants + detergent + water) is 0.1-0.9, pref. 0.5. Concn. of active components (detergent + surfactants) relative to bath vol. (water + solvent) is 2.5-10 g, pref. 5-7.5 g/l.</p>
<p>A process for dry cleaning textile articles made of synthetic fibres, esp. polyester, comprises treating the articles with a soln. of surfactants in an org. solvent, the soln. also contg. in emulsified form, an aqs. detergent compsn., and injecting steam during the washing cycle. Appts. for performing the above process is also claimed.</p> <p><b>ADVANTAGES</b> The process combines the advantages of dry- and wet cleaning, removes both greasy and non-greasy stains and dirt, is cheaper and involves shorter washing cycles than wet processes and does not reject the used, polluted water.</p> <p><b>MATERIALS</b> The surfactants pref. comprise a mixt. of anionic and non-ionic agents in the wt. ratio 0.1-1, pref. 0.25-0.5. The aqs. detergent compsn. is conventional eg contain alkali perborates, Na phosphates, CMC, silicates, surfactants etc. and is used in an amt. equal to that of the surfactants. The solvent is perchloroethylene or 1,1,1-trichloroethane. Vol. ratio of solvent and total injected compsn.</p>	<p><b>PROCESS</b> The detergent is dissolved in water, a soln. of the surfactants in the solvent is poured into the aqs. soln and the obtd. emulsion together with steam are simultaneously sprayed over the textile articles. During washing amt of water used is 10-100 wt. % based on dried articles.</p> <p><b>APPARATUS</b> This comprises a rotatable drum (1), a container (2) for used solvent, connected to the drum and to a solvent purifier-evaporator device (4), a container (3) for clean solvent, also connected to the drum and to the device (4), a device for spraying (7) solvent and also for injecting the emulsion stored in (8) and a steam injector (9) located in the centre of the drum and connected to a pressure valve (10). Dirt, waste etc are removed at (6).</p> <p><b>EXAMPLE</b> A soln. of 700 g Cemulsol NPTIO (RTM) and 20g Sulfimel DOS 75 (RTM) in 300 c.c. perchloroethylene is poured 11665X Contd</p>

into a soln of 90 g Saconeige (RTM) in 675 g water and the emulsion obtd. is extended with perchloroethylene to 2 l. (12 pp).

